



RESEARCH NOTE LS-48

LAKE STATES FOREST EXPERIMENT STATION • U. S. DEPARTMENT OF AGRICULTURE

Lake States Pulpwood Cut Continues to Climb;
Wisconsin Takes Lead in Pulpwood Production

Except for an occasional year the pulpwood harvest in the Lake States has been increasing annually at a rate of about 10 percent. This general trend continued in 1963 when the regional cut of pulpwood amounted to approximately 3,662 thousand cords, 10 percent more than the 3,342 thousand cords cut in 1962. Each of the three Lake States produced more pulpwood than the year before and Wisconsin, for the first time, was the region's leading pulpwood producing state. Leadership in Lake States pulpwood production has shifted from Michigan to Minnesota and back during the past 25 or 30 years. Substantial increases in the cut of miscellaneous dense hardwoods and the use of wood chips from mill residues helped swell Wisconsin's 1963 pulpwood pile to record proportions.

Of the total regional production, about 96 percent was roundwood and the remaining 4 percent was wood chips, slabs, and veneer cores. The overall cut of roundwood was up about 8 percent from the previous year. Hardwood roundwood was up

about 9 percent, with miscellaneous dense hardwoods and white birch posting the largest gains. The cut of softwoods was up 5 percent; all species except pine showed increases. The decline of pine was general throughout the Lake States, but the cut-back was most pronounced in Wisconsin.

Although the number of Lake States pulpmills using wood chips remained the same, the quantity of chips used more than doubled over that of the previous year. In addition to the 121 thousand cords obtained from local sources, 67 thousand cords of wood chips were imported from the Western States. All imports went to Wisconsin mills.

Total 1963 pulpwood receipts at Lake States mills were approximately 4,092 thousand cords, an increase of 13 percent from the previous year. Lake States forests supplied 89 percent of the pulpwood received, Canada 7 percent, and Western States 4 percent (see table below).

The table on the reverse side shows pulpwood production, imports, and exports for the Lake States by species for 1963.

Geographic origin and destination of pulpwood received
by Lake States mills, 1963

Species	Percent of pulpwood originating from:					Percent of pulpwood received by mills in:		
	Minn.	Wis.	Mich.	Canada	Other U. S.	Minn.	Wis.	Mich.
Aspen	25	36	38	1	—	26	51	23
Balsam fir	34	20	40	6	—	26	58	16
Birch	*	69	31	—	—	*	88	12
Hemlock	—	46	54	—	—	—	100	—
Pine	30	25	26	12	7	28	60	12
Spruce	42	4	15	39	—	27	59	14
Tamarack	60	26	14	—	—	—	100	—
Misc. hardwoods ¹	12	56	32	—	—	12	58	30
Slabs, etc.	—	69	31	—	—	—	100	—
Wood chips	1	41	15	—	43	1	99	—
All wood material	26	31	32	7	4	23	59	18
Previous yr. (1962)	27	31	33	6	3	23	58	19

¹ Mostly dense hardwoods.
* Less than 1/2 of 1 percent.

Production and imports of pulpwood, Lake States, 1963

(in standard cords, unpeeled)

Species and destination	Production by states ^{1/}				Other U.S. ^{2/}	Imports		
	Minnesota	Wisconsin	Michigan	Region		Canada	Total imports	Total receipts
Aspen								
Minn.	416,748	18,720	-	435,468	-	11,000	11,000	446,468
Wis.	16,255	591,819	268,528	876,602	-	110	110	876,712
Mich.	-	2,086	393,622	395,708	-	2,823	2,823	398,531
Total	433,003	612,625	662,150	1,707,778	-	13,933	13,933	1,721,711
Balsam fir								
Minn.	72,167	-	-	72,167	-	4,645	4,645	76,812
Wis.	29,659	60,375	85,182	175,216	-	-	-	175,216
Mich.	-	206	35,435	35,641	-	13,288	13,288	48,929
Exported ^{3/}	526	-	-	526	-	-	-	-
Total	102,352	60,581	120,617	283,550	-	17,933	17,933	300,957
Birch, white								
Minn.	117	-	-	117	-	-	-	117
Wis.	49	50,358	13,652	64,059	-	-	-	64,059
Mich.	-	-	8,984	8,984	-	-	-	8,984
Total	166	50,358	22,636	73,160	-	-	-	73,160
Hemlock								
Minn.	-	-	-	-	-	-	-	-
Wis.	-	52,117	61,948	114,065	-	-	-	114,065
Mich.	-	-	-	-	-	-	-	-
Total	-	52,117	61,948	114,065	-	-	-	114,065
Pine								
Minn.	144,352	936	-	145,288	-	44,373	44,373	189,661
Wis.	63,242	168,919	90,015	322,176	85,237	6,390	91,627	413,803
Mich.	-	-	84,054	84,054	-	-	-	84,054
Total	207,594	169,855	174,069	551,518	85,237	50,763	136,000	687,518
Spruce								
Minn.	144,130	-	-	144,130	-	12,898	12,898	157,028
Wis.	98,756	19,325	64,322	182,403	-	158,850	158,850	341,253
Mich.	-	-	23,768	23,768	-	54,777	54,777	78,545
Exported ^{3/}	12,276	-	-	12,276	-	-	-	-
Total	255,162	19,325	88,090	362,577	-	226,525	226,525	576,826
Tamarack								
Minn.	-	-	-	-	-	-	-	-
Wis.	13,295	5,669	3,157	22,121	-	-	-	22,121
Mich.	-	-	-	-	-	-	-	-
Total	13,295	5,669	3,157	22,121	-	-	-	22,121
Misc. dense hdwds.								
Minn. ^{4/}	49,746	-	-	49,746	-	-	-	49,746
Wis. ^{4/}	-	227,131	7,880	235,011	-	-	-	235,011
Mich. ^{4/}	-	-	123,190	123,190	-	-	-	123,190
Exported ^{3/}	973	5,832	-	6,805	-	-	-	-
Total	50,719	232,963	131,070	414,752	-	-	-	407,947
Total roundwood								
Minn.	827,260	19,656	-	846,916	-	72,916	72,916	919,832
Wis.	221,256	1,175,713	594,684	1,991,653	85,237	165,350	250,587	2,242,240
Mich.	-	2,292	669,053	671,345	-	70,888	70,888	742,233
Exported ^{3/}	13,775	5,832	-	19,607	-	-	-	-
Total	1,062,291	1,203,493	1,263,737	3,529,521	85,237	309,154	394,391	3,904,305
Slabs, etc.								
Minn.	-	-	-	-	-	-	-	-
Wis.	-	22,665	10,352	33,017	-	-	-	33,017
Mich.	-	-	-	-	-	-	-	-
Exported ^{3/}	-	-	-	-	-	-	-	-
Total	-	22,665	10,352	33,017	-	-	-	33,017
Wood chips								
Minn.	963	-	-	963	-	-	-	963
Wis.	-	63,775	22,926	86,701	67,392	-	67,392	154,093
Mich.	-	-	-	-	-	-	-	-
Exported ^{3/}	-	12,140	-	12,140	-	-	-	-
Total	963	75,915	22,926	99,804	67,392	-	67,392	155,056
All wood material								
Minn.	828,223	19,656	-	847,879	-	72,916	72,916	920,795
Wis.	221,256	1,262,153	627,962	2,111,371	152,629	165,350	317,979	2,429,350
Mich.	-	2,292	669,053	671,345	-	70,888	70,888	742,233
Exported ^{3/}	13,775	17,972	-	31,747	-	-	-	-
Total	1,063,254	1,302,073	1,297,015	3,662,342	152,629	309,154	461,783	4,092,378

1/ Vertical columns of figures under box heading "Production by States" presents the amount of pulpwood cut in each state.

2/ Mostly Western States.

3/ Pulpwood shipped to mills outside of Region.

4/ Some balsam poplar in Minnesota, mostly dense hardwoods in other States.